

# Modern Control Engineering Katsuhiko Ogata

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Basic Control Actions

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What is Control Engineering? ~~Modern Control System Transfer Functions~~ **Part 2 Modern Control System Transfer Functions Part 1 Control Systems Lectures - Transfer Functions** *Hardware Demo of a Digital PID Controller* **Proportional-Integral Controller: Reducing the steady state error using a PI controller, 1/12/2014** **????) LQR ?? ??? Matlab/simulink ?? ?? ?? optimal control** **???? ?????! Hamilton-Jacobi equation !** What is the use of PI controller in control systems

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Intro to Control - 6.3 State-Space Model to Transfer Function

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Intro to Control - 11.1 Steady State Error (with Proportional Control) Example: Design PID Controller Simple Examples of PID

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## Control

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A Simple Feedback Control Example System Dynamics and Control: Module 4b - Modeling Mechanical Systems Examples  
Books for reference - Electrical Engineering Mathematical Models of Dynamic Systems **1.1 Introduction to Control**

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Katsuhiko Ogata is a professor of engineering who was born in Tokyo, Japan ; on January 6 of 1925. He earned a Bachelor degree in Mechanical Engineering from the University of Tokyo in 1947.

## **Katsuhiko Ogata (Author of Modern Control Engineering)**

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